

Weekly Report

2016.12.05-2016.12.11

1.This Week

Security Project

1. Have a discussion with our group members. Report our work of last week. Decide what we need to do this week and discuss about how we are going to do it.
2. Do the coding job of our system:
 - deal with the scale problem of the nodes and set a glyph change function for small scales
 - revise the drag log and add new drag functions
3. Last week I generate an idea of dealing with temporal patterns of suspicious actions in network relationships during anomaly discovery and analysis. And I find that when analysts try to figure out relationships of network institutions, they tend to ignore the temporal attribute. However, at some point, temporal attribute is quite important to locate an anomaly. So, I'm now taking a next step to figure out if it is possible to use methods dealing with temporal data in network relationship analysis.

Seminar

1. Finish project1 of Computer Vision, (using openCV to make your own video).

Others

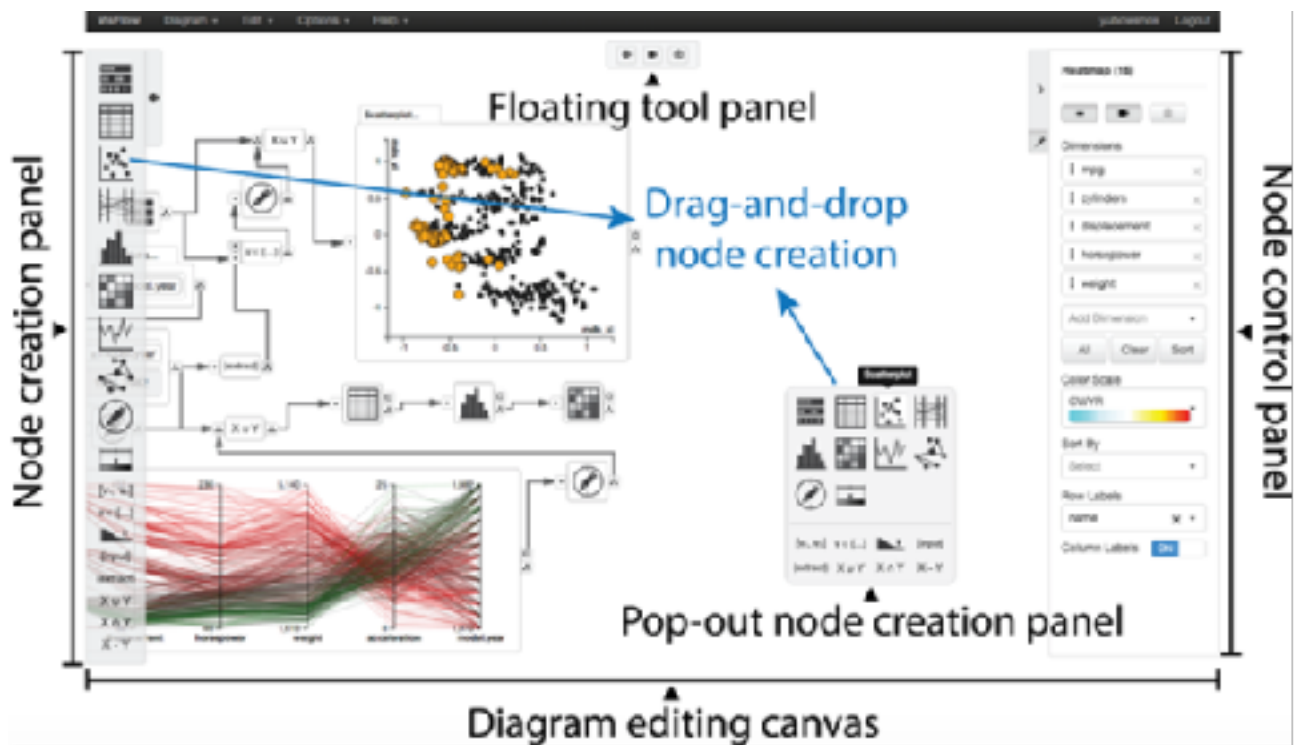
1. Prepare to introduce our group work to Edy and Do the introduction on Friday morning.
2. Take Edy around in Hangzhou for about 2 days.

Paper Reading

1. VisFlow – Web-based Visualization Framework for Tabular Data with a Subset Flow Model

This paper presents a visualization framework for data flow that allows user to make dynamic queries and manually revise data. This work is a combination of data processing and interactive visualization, and it is not difficult to use. Each node in the flow chart represents data source, visualizations, value generators, filters and so on. Between each pair of nodes, there could only be one edge connecting them, depicting that the input data from the left side of this edge is being processed.

However, as for me, this work doesn't have enough innovation point, compared to the previous work on this topic. It is only better at system refining and interactive design.



To Do

1. Keep up with the security project, including surveying on research topics and do coding jobs.
2. Surveying on the idea of digging temporal patterns in network relationship analysis.